

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/553,788 ✓
Applicant(s) : Michie et al.
Filed : October 20, 2005
TC/A.U. : unknown
Examiner : unknown
Title : POLYMER COMPOSITION AND PROCESS TO
MANUFACTURE HIGH MOLECULAR WEIGHT-HIGH
DENSITY POLYETHYLENE AND FILM THEREFROM

Docket No. : 63138a
Customer No. : 00109

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February 24, 2006

DATE OF DEPOSIT

Carol A. Axtell

PRINT OR TYPE NAME OF PERSON SIGNING CERTIFICATE

SIGNATURE OF PERSON SIGNING CERTIFICATE

DATE OF SIGNATURE

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to Applicant's duty of disclosure under 37 CFR §1.56, the
Examiner's attention is directed to the information identified in the attached Form
PTO/SB/08a.

An internal database indicates that a polymer that was probably made by a
process within the scope of Claim 1, as filed, was invoiced in April of 2003.

The cited U.S. patents and patent application publications are listed on Form
PTO/SB/08a. A copy of the cited foreign patent documents and non-patent literature
are enclosed herewith.

Appln. No 10/553,788
February ~~14~~, 2006

The Examiner is requested to review each reference and formulate his/her own understanding thereof.

Respectfully submitted,



Carol J. Cavender
Registration No. 27,619
Phone: 979-238-3581

P. O. Box 1967
Midland, MI 48641-1967

CJC/caa

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1

of 11

Application Number	10/553,788
Filing Date	October 20, 2005
First Named Inventor	Michie et al.
Art Unit	Not Assigned
Examiner Name	Not Assigned
Attorney Docket Number	6138A

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. 1	Document Number	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
/FT/		US3280220	10/18/66	Nelson	
/FT/		US3592880	07/13/71	Diedrich et al.	
/FT/		US3914342	10/21/75	Mitchell	
/FT/		US4048412	09/13/77	Caumartin et al.	
/FT/		US4307209	12/22/81	Morita	
/FT/		US4338424	07/06/82	Morita et al.	
/FT/		US5352749	10/04/94	DeChellis et al.	
/FT/		US4352915	10/05/82	Mashita et al.	
/FT/		US4390666	06/28/83	Moriguchi et al.	
/FT/		US4414369	11/08/83	Kuroda et al.	
/FT/		US4420592	12/13/83	Kato et al.	
/FT/		US4438238	03/20/84	Fukushima et al.	
/FT/		US4461873	07/24/84	Bailey et al.	
/FT/		US4522987	06/11/85	Hogan et al.	
/FT/		US4511704	04/16/85	Tanaka et al.	
/FT/		US4543399	09/24/85	Jenkins et al.	
/FT/		US4547551	10/15/85	Bailey et al.	
/FT/		US4550143	10/29/85	Tanaka et al.	
/FT/		US4588790	05/13/86	Jenkins	

Examiner Signature	/Fred Teskin/	Date Considered	07/20/2008
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Sheet 2

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		Number-Kind Code ² (if known)			
/FT/		US4603173	07/29/86	Mack et al.	
/FT/		US4665143	05/12/87	Ahluwalia et al.	
/FT/		US4703094	10/27/87	Raufast	
/FT/		US4786697	11/22/88	Cozewith et al.	
/FT/		US4789714	12/06/88	Cozewith et al.	
/FT/		US4790676	12/13/88	Kaisha	
/FT/		US4792588	12/20/88	Suga et al.	
/FT/		US4835219	05/30/89	Tajima et al.	
/FT/		US4859749	08/22/89	Franke	
/FT/		US4882400	11/21/89	Dumain et al.	
/FT/		US4963622	10/16/90	Heitz	
/FT/		US4996011	02/26/91	Sano et al.	
/FT/		US5019627	05/28/91	Honma et al.	
/FT/		US5032562	07/16/91	Lo et al.	
/FT/		US5047468	09/10/91	Lee et al.	
/FT/		US5082902	01/21/92	Gurevitch et al.	
/FT/		US5102955	04/07/92	Calabro et al.	
/FT/		US5126398	06/30/92	Lee et al.	
/FT/		US5166281	11/24/92	Chamla	

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Date

Considered

07/20/2008

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/553,788
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		First Named Inventor	Michie et al.
		Art Unit	Not Assigned
		Examiner Name	Not Assigned
Sheet 3	of 11	Attorney Docket Number	63138A

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. 1	Document Number	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
/FT/		US5258449	11/02/93	Firdaus et al.	
/FT/		US5260384	11/09/93	Morimoto et al.	
/FT/		US5284613	02/08/94	Ali et al.	
/FT/		US5278272	01/11/94	Lai et al.	
/FT/		US5290745	03/01/94	Jorgensen et al.	
/FT/		US5306775	04/26/94	Martin et al.	
/FT/		US5332706	07/26/94	Nowlin et al.	
/FT/		US5338589	08/16/94	Bohm et al.	
/FT/		US5352749	10/04/94	DeChellis	
/FT/		US5371146	12/06/94	Takahashi	
/FT/		US5374700	12/20/94	Tsutsui	
/FT/		US5380803	01/10/95	Coutant et al.	
/FT/		US5382630	01/17/95	Stehling et al.	
/FT/		US5387749	02/07/95	Govoni et al.	
/FT/		US5399540	03/21/95	Kuo et al.	
/FT/		US5405817	04/11/95	Kuo et al.	
/FT/		US5405901	04/11/95	Daniell	
/FT/		US5408015	04/18/95	Hsieh et al.	
/FT/		US5436304	07/25/95	Griffin et al.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/553,788
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		First Named Inventor	Michie et al.
		Art Unit	Not Assigned
		Examiner Name	Not Assigned
Sheet 4	of 11	Attorney Docket Number	63138A

U. S. PATENT DOCUMENTS					
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		Number-Kind Code ² (if known)			
/FT/		US5455303	10/03/95	Panagopoulos et al.	
/FT/		US5459217	10/17/95	Todo et al.	
/FT/		US5464905	11/07/95	Tsutsui et al.	
/FT/		US5464906	11/07/95	Patton et al.	
/FT/		US5473028	12/05/95	Nowlin et al.	
/FT/		US5478898	12/26/95	Standaert et al.	
/FT/		US5494871	02/27/96	Brun et al.	
/FT/		US5494965	02/27/96	Harlin et al.	
/FT/		US5503914	04/02/96	Michie et al.	
/FT/		US5519091	05/21/96	Tsutsui et al.	
/FT/		US5525678	06/11/96	Mink et al.	
/FT/		US5527867	06/18/96	Bergmeister	
/FT/		US5539076	07/23/96	Nowlin et al.	
/FT/		US5635262	06/03/97	Best et al.	
/FT/		US5648422	07/15/97	Collina et al.	
/FT/		US5688865	11/18/97	Ali et al.	
/FT/		US5693719	12/02/97	Goto et al.	
/FT/		US5728353	03/17/98	Govoni et al.	
/FT/		US5728335	03/17/98	Neubauer	

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		Number-Kind Code ² (if known)			
/FT/		US5925448	07/20/99	Moy et al.	
/FT/		US6028140	02/22/00	Collina et al.	
/FT/		US6107454	08/22/00	Schmiege et al.	
/FT/		US6124428	09/26/00	Schmiege et al.	
/FT/		US6124520B1	09/26/00	Roberts	
/FT/		US6147167	11/14/00	Mack et al.	
/FT/		US6180721B1	01/30/01	Rogestedt et al.	
/FT/		US6185349B1	02/06/01	Dammert	
/FT/		US6187866	02/13/01	Jorgensen et al.	
/FT/		US6194520	02/27/01	Cheruy et al.	
/FT/		US6218472B1	04/17/01	Debras et al.	
/FT/		US6242543B1	06/05/01	Follestad et al.	
/FT/		US6248831	06/19/01	Maheshwari et al.	
/FT/		US6225420B1	05/01/01	Palmqvist et al.	
/FT/		US6316546B1	11/13/01	Ong et al.	
/FT/		US6329054B1	12/11/01	Rogestedt et al.	
/FT/		US6346575B1	02/12/02	Debras et al.	
/FT/		US6372864	04/16/02	Brown	
/FT/		US6388017	05/14/02	McDaniel	

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		Number-Kind Code ² (if known)			
/FT/		US6433095B1	08/13/02	Laurent	
/FT/		US6,455,642	09/24/02	Myhre et al.	
/FT/		US6454976	09/24/02	Neubauer	
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/FT/		US6458911B1	10/01/02	Ong et al.	
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/FT/		US6485662	11/26/02	Neubauer et al.	
/FT/		US6486270B1	11/26/02	Garrison et al.	
/FT/		US6486284B1	11/26/02	Karande et al.	
/FT/		US6511935	01/28/03	Job	
/FT/		US6518376B2	02/11/03	Benham et al.	
/FT/		US2003/0040588	02/27/03	Garrison et al.	
/FT/		US2002/0042472A1	04/11/02	Ong et al.	

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		Examiner Name	Not Assigned
		Attorney Docket Number	Error! Reference source not found.
Sheet 7	of 11		

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. 1	Document Number Country Code ³ - Number-Kind Code ⁵ (if known)	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T6
/FT/		EP0121740B1	05/08/91	Matsuo et al.		<input type="checkbox"/>
/FT/		EP0302242B1	07/05/88	Franke		<input type="checkbox"/>
/FT/		EP369436B1	05/15/96	Lee		<input type="checkbox"/>
/FT/		EP0398350A2	11/22/90	Nakacho et al.		<input type="checkbox"/>
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/FT/		EP0528523A1	02/24/93	Ong et al.		<input type="checkbox"/>
/FT/		EP0533160A1	03/24/93	Coutant et al.		<input type="checkbox"/>
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/FT/		EP0551485B1	02/18/93	Govoni et al.		<input type="checkbox"/>
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/FT/		EP0649860A1	04/26/95	Debras		<input type="checkbox"/>
/FT/		EP0700769	03/13/96	Paina		<input type="checkbox"/>
/FT/		EP0702030A1	05/25/92	Winter et al.		<input type="checkbox"/>
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Examiner Signature	/Fred Teskin/	Date Considered	07/20/2008
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Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/553,788
		Filing Date	October 20, 2005
		First Names Inventor	Michie et al.
		Art Unit	Not Assigned
		Examiner Name	Not Assigned
Sheet 8	of 11	Attorney Docket Number	Error! Reference source not found.

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. 1	Document Number Country Code ³ - Number-Kind Code ⁵ (if known)	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
/FT/		WO9212182	07/23/92	Ahvenainen et al.		<input type="checkbox"/>
/FT/		WO9222565A1	12/23/92	Venot et al.		<input type="checkbox"/>
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Examiner Signature	/Fred Teskin/	Date Considered	07/20/2008
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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Use as many sheets as necessary)

Application Number	10/553,788
Filing Date	October 20, 2005
First Names Inventor	Michie et al.
Art Unit	Not Assigned
Examiner Name	Not Assigned
Attorney Docket Number	63138A Error! Reference source not found.

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FOREIGN PATENT ABSTRACTS

Examiner Initials*	Cite No. 1	Document Number Country Code ³ - Number-Kind Code ⁵ (if known)	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
/FT/		JP 05320245-A	12/03/93	Nobuhide		<input type="checkbox"/>
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/FT/		JP 07070238-AA	03/14/95	Masaki et al.		<input type="checkbox"/>
/FT/		JP 07126316-A	11/05/93	Hisashi et al.		<input type="checkbox"/>
/FT/		JP 07138321-A	11/18/93	Eiji		<input type="checkbox"/>
/FT/		JP 07258480-A	03/25/94	Hideo et al.		<input type="checkbox"/>
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/FT/		JP 7276712 A	10/24/94	Minka et al.		<input type="checkbox"/>

Examiner Signature	/Fred Teskin/	Date Considered	07/20/2008
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet	10
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of 11

Application Number	10/553,788
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Filing Date	October 20, 2005
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First Names Inventor	Michie et al
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Art Unit	Not Assigned
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Examiner Name	Not Assigned
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Date _____

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Application Number	10/553,788
Filing Date	October 20, 2005
First Named Inventor	Michie et al.
Art Unit	Not Assigned
Examiner Name	Not Assigned
Attorney Docket Number	Error! Reference source not found.

Sheet	11	of	11
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